

Amendment to the Claims:

This listing of claims will replace all prior versions, and listing of claims in the application.

Listing of Claims:

1. (Currently Amended) An illumination system for forming a low beam in traffic applications comprising a light source and a reflecting surface formed by a multiplicity of reflector segments arranged around a central optical axis, ~~characterized in that~~ wherein the light source in operation emits light over an angle of at most 180, **unrestricted by a boundary surface**, in a direction facing away from the intersection of the central optical axis and the reflecting surface, and in that each of the reflector segments is parabolically-shaped and has a segment optical axis parallel to the central optical axis, while each reflector segment is positioned such that the segment optical axis substantially intersects with an edge of the light source.
2. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein the light source is positioned substantially below a horizontal plane including the central optical axis.
3. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein one edge of the light source coincides substantially with the central optical axis.

4. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein opposite reflector segments are positioned such that the optical axes of the reflector segments coincide with each other.

5. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein the number of reflector segments is divisible by four.

6. (Currently Amended) An illumination system as claimed in claim 5, ~~characterized in that~~ wherein the number of reflector segments is four, eight or twelve.

7. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein the reflector segments reflect light according to total internal reflection.

8. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein the light source is a light-emitting diode.

9. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein the light-emitting diode in operation substantially emits white light.

10. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein the light source is an exit window of an optical fiber or a bundle of optical fibers.

11. (Currently Amended) An illumination system as claimed in claim 1, ~~characterized in that~~ wherein the fiber or fibers are powered by a light engine.

12. (Previously Presented) A road illumination system positioned beside a traffic route comprising an illumination system as claimed in claim 1.

13. (Currently Amended) A road illumination system as claimed in claim 12, ~~characterized in that~~ wherein the road illumination system is provided on poles or on a crash barrier at the side of the traffic route.

14. (Previously Presented) A vehicle headlamp comprising an illumination system as claimed in claim 1.